

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of dynamically preparing a structured query language statement, said method comprising:

receiving a request that affects an item;

identifying a respective type of the item;

retrieving a set of attributes based on the type of the item and a partial structured query language statement corresponding to the attributes, wherein the partial structured query language statement comprises an action that affects the type of the item; and

preparing the structured query language statement for the item based on the set of attributes and the respective partial structured query language statement in response to the request,

wherein the type of the item, which specifies a data structure of the item, comprises a combination of attributes associated with the item.

2. (previously presented): The method of claim 1, wherein retrieving the set of attributes and the respective partial structured query language statement comprises retrieving a set of parameters that indicate a data structure for the item.

3. (previously presented): The method of claim 1, wherein retrieving the set of attributes and the respective partial structured query language statement comprises retrieving a set of references for the structured query language statement.

4. (previously presented): The method of claim 1, wherein retrieving the set of attributes and the respective partial structured query language statement comprises retrieving at least a portion of an insert statement.

5. (previously presented): The method of claim 1, wherein retrieving the set of attributes and the respective partial structured query language statement comprises retrieving information that indicates access rights for the structured query language statement.

6. (previously presented): The method of claim 1, wherein retrieving the set of attributes and the respective partial structured query language statement comprises:

determining a timestamp for the set of attributes and the respective partial structured query language statement; and

selectively retrieving the set of attributes and the respective partial structured query language statement from a cache based on the timestamp.

7. (original): The method of claim 1, wherein preparing the structured query language statement comprises opening a first set of cursors for the structured query language statement.

8. (original): The method of claim 7, further comprising opening a second set of cursors when all of the cursors in the first set have been opened.

9. (currently amended): An apparatus for dynamically preparing a structured query language statement, said apparatus comprising:

means for receiving a request that affects an item;

means for identifying a respective type of the item;

means for retrieving a set of attributes based on the type of the item and a partial structured query language statement corresponding to the attributes, wherein the partial structured query language statement comprises an action that affects the type of the item; and

means for preparing the structured query language statement for the item based on the set of attributes and the respective partial structured query language statement in response to the request,

wherein the type of the item, which specifies a data structure of the item, comprises a combination of attributes associated with the item.

10. (currently amended): A computer readable medium encoded with program code, said medium comprising:

program code for receiving a request that affects an item;

program code for identifying a respective type of the item;

program code for retrieving a set of attributes based on the type of the item and a partial structured query language statement corresponding to the attributes, wherein the partial structured query language statement comprises an action that affects the type of the item; and

program code for preparing the structured query language statement for the item based on the set of attributes and the respective partial structured query language statement in response to the request,

wherein the type of the item, which specifies a data structure of the item, comprises a combination of attributes associated with the item.

11. (currently amended): A system that dynamically prepares a structured query language statement, said system comprising:

a database that stores a plurality of items in a first table and stores information indicating attributes of each type of item in a second table; and

a processor configured by a set of program code to receive a request that affects an item stored in the first table of the database, identify a type of the item based on information in the first table, retrieve attributes for the item from the second table based on the item's type, determine a partial structured query language statement based on parsing the attributes, and prepare the structured query language statement for the item based on the retrieved attributes and the respective partial structured query language statement in response to the request,

wherein the partial structured query language statement comprises an action that affects the type of the item, and

wherein the type of the item, which specifies a data structure of the item, comprises a combination of attributes associated with the item.

12. (original): The system of claim 11, further comprising a cache that stores a copy of at least a portion of the second table.

13. (original): The system of claim 12, wherein the second table includes a timestamp for each row in the second table.

14. (original): The system of claim 13, wherein the processor is configured to selectively retrieve information for the cache or the second table based on the timestamp.

15. (original): The system of claim 11, wherein the set of program code comprises a set of embedded structured query language statements for preparing the structured query language statement for the item.

16. (original): The system of claim 15, further comprising a set of files that include a plurality of cursors for the embedded structured query language statements.

17. (original): The system of claim 16, wherein the set of files comprise a first package of cursors that are opened by the embedded structured query language statements.

18. (original): The system of claim 17, wherein the set of files further comprises a second package of cursors that are opened by the embedded structured query language statements when all of the cursors in the first package have been opened.

19. (original): The system of claim 11, wherein the attributes stored in the second table includes information indicating access rights for each type of item.

20. (previously presented): The system of claim 11, wherein the attributes stored in the second table include a structured query language statement that inserts a new item into the first table.

21-22. (canceled).